

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/016032

## A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K31/409 A61K45/00 A61K33/26 A61K31/25 A61K31/295  
A61P43/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/088748 A (BETH ISRAEL HOSPITAL [US]; BACH FRITZ H [US]; BERBERAT PASCAL O [DE];) 30 October 2003 (2003-10-30) claims 19,20	1-22
X	WO 2004/000368 A (UNIV PITTSBURGH [US]; BETH ISRAEL HOSPITAL [US]; OTTERBEIN LEO E [US];) 31 December 2003 (2003-12-31) claims 1-23	1-22
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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the International filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*8\* document member of the same patent family

Date of the actual completion of the international search

6 December 2007

Date of mailing of the international search report

21/12/2007

Name and mailing address of the ISA/

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
T	CATERINA DE R ET AL: "NITRIC OXIDE DECREASES CYTOKINE-INDUCED ENDOTHELIAL ACTIVATION NITRIC OXIDE SELECTIVELY REDUCES ENDOTHELIAL EXPRESSION OF ADHESION MOLECULES AND PROINFLAMMATORY CYTOKINES" JOURNAL OF CLINICAL INVESTIGATION, NEW YORK, NY, US, vol. 96, no. 1, July 1995 (1995-07), pages 60-68, XP001203633 ISSN: 0021-9738 abstract	1-22
X	BERBERAT PASCAL O ET AL: "Heme oxygenase-1-generated biliverdin ameliorates experimental murine colitis." INFLAMMATORY BOWEL DISEASES APR 2005, vol. 11, no. 4, April 2005 (2005-04), pages 350-359, XP002461156 ISSN: 1078-0998 the whole document	1-22
X	HASCHEMI ARVAND ET AL: "Cross-regulation of carbon monoxide and the adenosine A2a receptor in macrophages" JOURNAL OF IMMUNOLOGY, vol. 178, no. 9, May 2007 (2007-05), pages 5921-5929, XP002461157 ISSN: 0022-1767 the whole document	1-22
X	OTTERBEIN L E ET AL: "Heme oxygenase-1: unleashing the protective properties of heme" TRENDS IN IMMUNOLOGY, ELSEVIER, RAHWAY, NJ, US, vol. 24, no. 8, August 2003 (2003-08), pages 449-455, XP004442684 ISSN: 1471-4906 the whole document	1-22
Y	CRONSTEIN B N: "ADENOSINE, AN ENDOGENOUS ANTI-INFLAMMATORY AGENT" JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY, WILLIAMS AND WILKINS, BALTIMORE, MD, US, vol. 76, no. 1, 1994, pages 5-13, XP009013003 ISSN: 1046-6673 the whole document	1-22
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SULLIVAN G W: "ADENOSINE A2A RECEPTOR AGONISTS AS ANTI-INFLAMMATORY AGENTS" CURRENT OPINION IN INVESTIGATIONAL DRUGS, PHARMAPRESS, US, vol. 4, no. 11, November 2003 (2003-11), pages 1313-1319, XP009058611 ISSN: 1472-4472 the whole document	1-22
Y	VRAUX LE V ET AL: "INHIBITION OF HUMAN MONOCYTE TNF PRODUCTION BY ADENOSINE RECEPTOR AGONISTS" LIFE SCIENCES, PERGAMON PRESS, OXFORD, GB, vol. 52, no. 24, 1993, pages 1917-1924, XP000974191 ISSN: 0024-3205 the whole document	1-22

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/016032

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			CA 2482260 A1	30-10-2003
			EP 1499186 A1	26-01-2005
			JP 2005522521 T	28-07-2005
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